

Claims

1. An electrochemical cell, such as an SOFC cell, including a nickel based electrode structure, such as for instance in form of an Ni/YSZ electrode, to which Mn has been added, characterized in that the added amount of Mn to the active zone of the electrode extending less than 20  $\mu\text{m}$  from the electrolyte represents 0.5 to 5 metal atom%, preferably 1 to 4 metal atom%, in particular 2 to 3 metal atom%.
2. An electrochemical cell as claimed in claim 1, characterized in that the added amount of Mn in the part of the electrode spaced more than 20  $\mu\text{m}$  from the electrolyte represents 0.5 to 10 metal atom%, preferably 1 to 6 metal atom%, in particular 4 to 5 metal atom%.

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